

ABSTRACT of the Invention.

A novel dental implant with flexible expansion ribs that lock into and compress the bone within a drilled hole in the jawbone. Upon tightening the screw used to mount the implant abutment, a set of thin medical-alloy ribs lock into the surrounding bone to provide an immediate and permanently strong support for a dental prosthesis while bone growth into the implant occurs. The expanding ribs turn an edge outward to lock into the surround bone and preventing the rotation of the implant assembly during installation and use.